AUTHOR INDEX TO VOLUME 59

Absher, Marlene, 376
Abu-Amer, Yousef, 1
Aggrawal, Bharat B., 303
Akhand, Anwarul A., 33
Applebaum, E., 57
Applegren, Nancy, 91
Aziz, F., 291

Bächner, Dietmar, 418
Bailer, R.T., 317
Baldi, Alfonso, 502
Baldi, Feliciano, 402
Banwatt, R., 57
Belinsky, Gleen S., 339
Benayahu, D., 151
Benzakour, Omar, 514
Birnbaum, M., 291
Bjøro, Kristian, 168
Blomquist, Charles H., 409
Boak, Andra M., 329
Boneh, Avihu, 27
Brennen, Denise P., 486
Brierley, G.P., 317
Briggs, Judith A., 529
Briggs, Robert C., 529
Brown, C.T., 57
Buchner, Klaus, 177

Calovini, Tanja, 69
Carter, Kenneth C., 473
Chang, Patricia M., 409
Chen, Tai C., 53
Claudio, Pier Paolo, 402
Coll, Jennifer, 91
Connoly, Joseph P., 376
Cooper, C., 291
Cooper, David N., 514
Cuezva, José M., 235
Cushing, J.E., 246
Cutroneo, Kenneth R., 376

de Juan, Eugene, 123
De Luca, Antonio, 291, 402
DelValle, John, 258
Dennehy, Ulla, 514
Dixit, Saryu N., 350
Dufour, Maurice, 389

Eckhauser, F.E., 258
Efraty, M., 151
Eisman, John A., 486
Enger, Robert J., 193
Epstein, Alan L., 498

Fattaey, Heideh K., 79
Faure, Robert, 389
Fitzpatrick, Lorraine A., 281
Flanagan, Judith, 486
Flores, Ana I., 235
Franke, Peter, 177
Fried, A., 151
Fromm, Sigurd H., 168
Fujitani, Kazamasa, 368
Furth, Priscilla A., 463

Gacheru, Stephen N., 329
Gallati, Harald, 303
Gautvik, Kaare M., 168
Gehron Robey, P., 151
Ghosh, Paramita, 453
Giordano, Giovan Giacomo, 402
Giordano, Antonio, 291, 402
Goodwin, Chris, 514
Grana, X., 291
Grant, Anne, 453
Grant, George, 453
Gura, Trisha, 350
Gutiérrez, Soraya, 161

Haase, Hannelore, 69
Hahn, George M., 266
Hamaguchi, Michinari, 33
Hameister, Horst, 418
Harris, Steven A., 193
Hendriks, Wiljan, 418
Hennighausen, Lothar, 463
Hickey, Robert J., 91
Hill, Bobbye, 431
Ho, Yat-Sen, 143
Høgset, Anders, 168
Hohl, C.M., 317
Holick, Michael F., 53, 117
Hout, B.L., 317
Hu, Geng, 214, 350
Hu, Yunshan, 486

Ikeda, Masataka, 368
Imschenetzsky, María, 161
Inoue, Hiroyuki, 214
Ishibe, M., 246
Ishov, Alexander M., 498
Isobe, Ken-ichi, 33
Iversen, Jan, 168
Iwamoto, Takashi, 33
Johnson, Terry C., 79
Johnson, Carol V., 473

Kagan, Herbert M., 329
Kakkar, Vijay V., 514
Kambayashi, Jun-ichi, 368
Kanthou, Chryso, 514
Kareem, B. Najma, 168
Kato, Masashi, 33
Kawasaki, Tomio, 368
Klebe, Robert J., 453
Kleijn, Miranda, 443
Kleinschmidt, Ann M., 91
Klungland, Helge, 168
Kokudo, Norihiro, 258
Korcz, Aleksandra, 42
Koroma, Barba M., 123
Kothary, Piyush C., 258
Kreienberg, Rolf, 537

Lawrence, Jeanne B., 473
Lee, Marietta Y.W.T., 91
Lee, Tsong-Tze, 108, 143
Leung, Benjamin S., 409
Li, Minglin, 463
Lian, J.B., 291
Livingston, B.E., 317
Loetscher, Hansreudi, 303
Long, George L., 376
Lupu, Florea, 514

Ma, Li, 33
Maercklein, Peter B., 281
Malkas, Linda H., 91
Mallery, S.R., 317
Martinez, D.A., 246
Maul, Gerd G., 498
Meisler, Natalie, 376
Mihalik, Rudolf, 303
Mivechi, Nahid F., 266
Moldover, Nancy H., 186
Monaco, Marie E., 186
Monden, Morito, 368
Montecino, Martín, 161
Moos, Philip J., 79
Morano, Ingo, 69

Morrison, Nigel A., 486
Moscinski, Lynn C., 431

Nagan, Narasimhan, 329
Nakashima, Izumi, 33
Ness, G.M., 317
Ng, Kong Wah, 486
Ng-Bautista, C.L., 317
Ni, Mei-Hui, 108, 143

Ohata, Naoko, 33
Ohh, Michael, 202
Ohkusu, Kozo, 33
Oiki, Eiji, 368
Okuyama, Masaki, 368
Olson, Mark O.J., 529
Olstad, Ole K., 168

Paggi, Marco Giorgio, 402
Panchenko, Maria V., 329
Penzes, Maria, 303
Pocsik, Eva, 303
Posner, Barry I., 389
Pu, Mei-yi, 33
Puchi, Marcia, 161
Puzas, J.E., 246

Quan, Jiang Yuan, 91
Quesenberry, P., 291

Raper, Steven E., 258
Raška, Ivan, 11
Ray, Swapna, 117
Ray, Rahul, 117
Razvi, Enal S., 135
Reddy, G.P.V., 291
Reddy, Vemuri B., 329
Riggs, Lawrence, 193
Rijss, Johann, 418
Ritchie, Candace K., 281
Rokkones, Erik, 168
Romano, P.R., 246
Rosenberger, Uwe, 177
Rosier, R.N., 246
Ross, F. Patrick, 1
Runnebaum, Ingo B., 537

Sabsay, Boris, 350
Sakon, Masato, 368
San Martín, Carmen, 235
Sauk, John, 350
Schepens, Jan, 418
Schlegel, Robert, 339
Scully, Michael F., 514
Selin, Liisa K., 135
Shakibaei, Mehdi, 177
Shakoori, A.R., 291
Shaver, Alan, 389
Shi, Xaio-You, 266
Shinoki, Nobutoshi, 368
Shull, Susan, 376
Sipos, Katalin, 529
Smith, Kelly P., 473
Soprano, Dianne Robert, 42
Soprano, Kenneth J., 42
Spelsberg, Thomas C., 193
Stein, J.L., 291
Stein, G.S., 291
Stephens, R.E., 317
Strei, Theresa A., 281
Swaby, Ramona, 91

Takei, Fumio, 202
Tam, Sun W., 339
Tau, Kimberly R., 193
Teitelbaum, Steven L., 1
Thomas, Kathleen M., 329
Thomas, Adri A.M., 443
Tian, Xiao Q., 53
Tillmann, Ulrich, 463
Toft, David O., 193
Tommasino, Massimo, 402
Trinkaus-Randall, V., 57
Tsen, Tze-Zen, 143
Tylzanowski, Przemyslaw, 214

van Wijnen, A.J., 291
Veis, Arthur, 214, 350
Vincent, Michel, 389
Voorma, Harry O., 443

Wall, Robert J., 463
Wang, Shan, 537
Wei, Yuetong, 91
Weise, Christoph, 177
Welsh, Raymond M., 135
Wientroub, S., 151
Wieringa, Bé, 418
Wills, Philip, 91

Xie, Ronglin, 376
Xie, Jingping, 529
Yang, Shiaw-Der, 108, 143
Yang, Chuan-Ching, 108, 143
Yang, Yong-Yi, 108
Yano, Yoshiko, 368
Yi, Hong, 33
Yu, Jau-Song, 108, 143
Yu, Eunsil, 498

Zechner, Ulrich, 418
Zeeuwen, Patrick, 418
Zhang, Ruoping, 409
Zhou, Qiqi, 91
Zhou, Hong, 486
Zhu, Youyang, 409
Zuscik, M.J., 246

SUBJECT INDEX TO VOLUME 59

α-thrombin, 514

β-galactosidase, 463

1,25-dihydroxyvitamin D_3, 53
^{3}H-1α, 117
^{3}H-calcitronic acid, 117

25-dihydroxyvitamin D_3, 117

Amine oxidase, 329
Apoptosis, 135, 317
Attachment, 151

Band 4.1, 418
Bone
  formation, 151
  marrow, 431
  matrix, 151
  resorption, 1

Calcium
  channel, 281
  modulators, 281
  signaling, 246
Calyculin A, 368
Cancer cells, 409
cdc25, 389
cDNA, 431
Cell
  cycle, 339, 389, 402, 537
  cycle checkpoints, 339
  cycle regulation, 79
  growth, 258
  nuclei, 177
  proliferation inhibition, 79
Cellular uptake, 117
CeReS, 79
Cervical carcinoma progression, 143
Chain initiation, 214
Chaperonins, 235
CHK, 117
Chromatin, 161
Citric acid, 177
Coilin, 473
Collagen synthesis, 376
Crosslinkages, 329
Cultured human keratinocytes, 117
Cyclic phosphatidylinositol resynthe
  -sis, 186
Cyclic-AMP, 453
Cyclin dependent kinases, 339
Cyclins, 339
Cycloheximide, 202
Cytoskeleton, 368, 418
Cytotoxic T lymphocytes, 135

DEAE HPLC, 79
Differentiation, 443
Digital imaging, 246
Disaggregated osteoclast pit assay,
  281
Discs-large homologous region, 418
DNA damage, 317
DNA replication, 91, 161

E1A oncoprotein, 402
Early development, 161
EGF, 42, 443
eIF-4E, 443
Elastin, 321
Endoplasmic reticulum protein, 350
Endothelial cell, 368
Energy charge, 317
Enzymatic activity, 514
Estrogen receptor, 193
Eukaryotic genes, 376
Extraction of proteins, 177

Fatty acid oxidation, 27
FGF-receptor, 123
Fragment 1.2, 514
Fura 2, 246, 281

G2/M transition, 389
GAGs, 57
Gene expression, 418
Gene transfer, 537
Glucocorticoid regulation, 376
Glucocorticoids, 376
Glutathione, 317
Growth factors, 42
Gynecologic tumor cells, 409

Heat shock genes, 266
Heat shock protein, 350
Heat-shock stress, 235
HeLa cells, 91, 473
Herpes simplex virus, 498
Homeobox gene, 486
HSF-1, 266
Hsp47, 350
Hsp60 antibodies, 235
Human histiocytic lymphoma, 303
Human parathyroid hormone, 168
Human vascular smooth muscle cells,
  514
Hydroxysteroid dehydrogenase, 409

ICAM-1, 202
IGF-1 receptor, 42
Immunoblotting, 108
Immunocytochemistry, 368
Impaired protein phosphatase
  activation, 108
In situ hybridization, 473
In vitro translation, 214
Iinborn errors of metabolism, 27
Insulin-like growth factor-I, 246
Integrins, 1
Interferon, 529
Intracellular calcium stores, 281

Kinase FA/GSK-3A, 108, 143

Liver regeneration, 258
Low oxygen tension, 123
Lymphocytes, 108
Lysyl oxidase, 329

Mammalian cell, 91
Mammary gland, 168
MDCK cells, 453
Membrane skeleton, 418
Memorym, 135
Metabolism, 117
MHC, 69
Micrococcal digestion, 161
Microtubules, 1
Mitogenic activity, 514
Mitrochondrial hsp60, 235
MLC, 69
MMTV-LTR, 463
MMTV-tTA, 463
Modulation of signal transduction, 33
Molecular chaperones, 235
Monocyte, 529
Monoiodoacetic acid, 33
Monomer, 266
Morphogenesis, 453

Mouse embryo, 418
mRNA, 11
mRNA stability, 202
Multiprotein complex, 91
Murine,.431
Murine cells, 266
Murine fibroblasts, 266
Myeloid differentiation, 431
myo-inosital, 186
Myosin, 69

Neovascularization, 123
Nervous cell lines, 389
NGF, 443
Northern analysis, 246
Nuclar bodies, 473, 498
Nuclear matrix, 529
Nuclear phosphoprotein, 402
Nucleotides, 317
Nucleuolus, 529
Nuclear membranes, 177
Nuclear ultrastructures, 11

Oligonucleotide, 376
Osteoblasts, 151, 193, 246
Osteoclast regulation, 281
Osteoclastin I α 1, 486
Osteoclastogenesis, 1
Osteoporosis, 168
Overexpression, 143

p21, 537
p60, 303
p80, 303
Peroxovanadium derivatives, 389
Phosphatase, 443
Phosphatase inhibitor, 123
Phosphotyrosine, 123
Pic1, 537
Pocket protein, 402
Polarization, 1
Polysomes, 214
Premature chromosome condensation, 339
Prethrombin 2, 514
Pro α chains, 214
Pro α1(I)-N-propeptide, 350
Procollagen I, 350
Promyelocyte, 431
Promyelocytic leukemia protein, 498
Protein
  kinase A, 453
  kinase C, 453
  kinase C (PKC), 27
  phosphatase, 368
  phosphorylation, 27
  synthesis, 303, 443
  tyrosine kinases, 42
  tyrosine phosphatases, 389
Prothrombin, 514
Prothrombin activation, 514
PtdInsP$_2$ hydrolysis, 186

rab proteins, 1
Rats, 69
Rb2/p130, 402
Reactive oxygen intermediates, 317
Receptor, 258, 303
Receptor crosslinking, 246
Redox state, 317
Redox-linked, 33
Remodeling, 57
Retinoblastoma gene, 402
Retinoic acid, 443
Retroviral vector, 266
rHox, 486
RNA, 11
RNA helicase A, 177
RNA synthesis and processing, 11

Scatchard analysis, 246
Schizophrenic disorder, 108
Sdi1, 537
Sea urchins, 161
Secretory peptide, 168
Serine, 202
Serine proteinase, 514
Sialoglycopeptide, 79
Signal transduction, 27,.123, 418, 453
Simian virus 40, 91
snRNA, 473
Somastatin, 258
spingolipidoses, 27
Stable transfection, 193
Steroid metabolism, 402
Steroid-hormone regulation, 69
Steroids, 409
Stroma, 57
Stromal cells, 151
Subcellular localization of hsp60, 235
Sulfhydryl reagent, 33
SV40 large T antigen, 193
Sythesis pauses, 214

T cells, 135
Tetracycline, 463
TGF-ß, 57
Threonine phosphorylation, 202
TNF, 303
Transfection, 376
Transforming growth factor, 376
Transgenic mice, 168
Translation, 202
tTA, 463
Tumor suppresor gene, 402, 537
Tyrosine kinase inhibitors, 123

Viral infections, 135
Vitamin D, 53

Western blotting, 123
WI-38 cells, 42
Wound healing, 53
WRK-1 cells, 186